

Title (en)

Stator winding arrangement of alternator for vehicle

Title (de)

Wicklungsanordnung eines Ständers eines Wechselstromgenerators für Fahrzeuge

Title (fr)

Disposition d'enroulement de stator d'un alternateur pour véhicule

Publication

EP 0881749 A3 19990120 (EN)

Application

EP 98109569 A 19980526

Priority

- JP 9701778 W 19970526
- JP 9703374 W 19970922
- JP 27975097 A 19970926
- JP 27975197 A 19970926
- JP 27975297 A 19970926
- JP 29788297 A 19971014
- JP 30973197 A 19971024
- JP 36206397 A 19971210
- JP 4439098 A 19980210
- JP 4904098 A 19980213

Abstract (en)

[origin: EP0881749A2] An alternator (1) for a vehicle includes a fan for supplying cooling air along an inner circumference of coil-end groups (31) disposed opposite ends of a stator (2) in an axial direction. Each of the coil-end groups (31) is composed of a plurality inner coil-end portions (33a) disposed at an inner circumference of the coil-end groups (31) to extend from an end of the stator core (32) and outer coil-end portions (33b) disposed at an outer circumference of the coil-end groups (31) to extend from an end of the stator core (32). The inner coil-end portion extends in a direction between the axial direction and rotating direction of the rotor (3). <IMAGE>

IPC 1-7

H02K 3/24; **H02K 9/06**; **H02K 3/12**; **H02K 3/28**; **H02K 19/22**

IPC 8 full level

H02K 1/16 (2006.01); **H02K 1/22** (2006.01); **H02K 1/24** (2006.01); **H02K 3/02** (2006.01); **H02K 3/12** (2006.01); **H02K 3/18** (2006.01); **H02K 3/24** (2006.01); **H02K 3/28** (2006.01); **H02K 3/44** (2006.01); **H02K 3/50** (2006.01); **H02K 3/52** (2006.01); **H02K 5/20** (2006.01); **H02K 9/06** (2006.01); **H02K 19/22** (2006.01); **H02K 19/36** (2006.01); **H02K 7/10** (2006.01)

CPC (source: EP US)

H02K 1/165 (2013.01 - EP); **H02K 1/243** (2013.01 - EP); **H02K 3/02** (2013.01 - EP); **H02K 3/12** (2013.01 - EP); **H02K 3/18** (2013.01 - EP); **H02K 3/24** (2013.01 - EP); **H02K 3/28** (2013.01 - EP); **H02K 3/44** (2013.01 - EP); **H02K 3/50** (2013.01 - EP); **H02K 3/528** (2013.01 - EP); **H02K 5/207** (2021.01 - EP US); **H02K 9/06** (2013.01 - EP); **H02K 19/22** (2013.01 - EP); **H02K 19/36** (2013.01 - EP); **H02K 21/044** (2013.01 - EP); **H02K 7/1008** (2013.01 - EP); **H02K 2201/06** (2013.01 - EP); **H02K 2203/09** (2013.01 - EP)

Citation (search report)

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- [Y] GB 1388512 A 19750326 - KRAFTWERK UNION AG
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- [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 095 (E - 395) 12 April 1986 (1986-04-12)
- [AD] PATENT ABSTRACTS OF JAPAN vol. 005, no. 171 (E - 080) 30 October 1981 (1981-10-30)

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